

FIG. 1

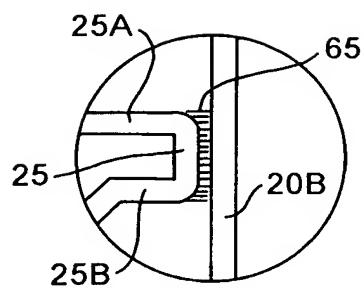


FIG. 1A

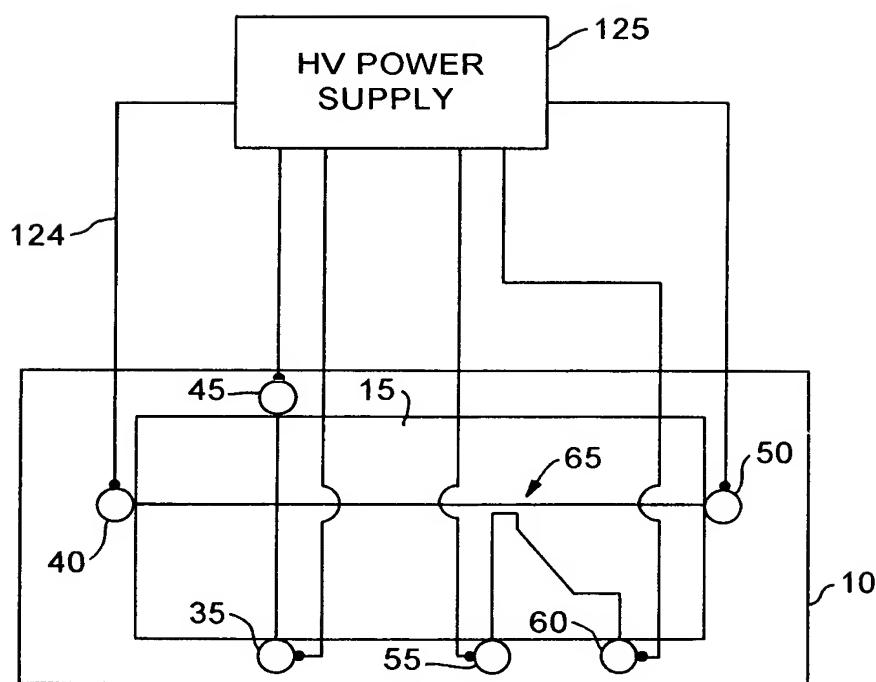


FIG. 1B

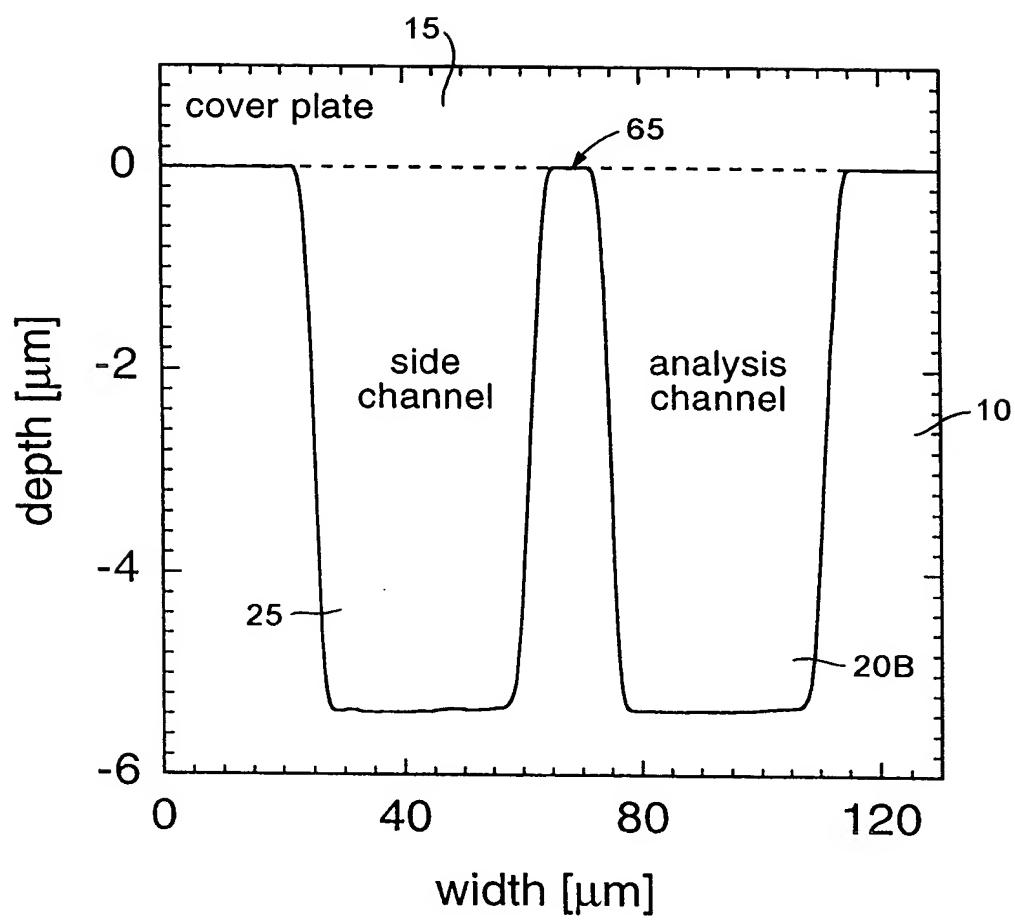


FIG. 2

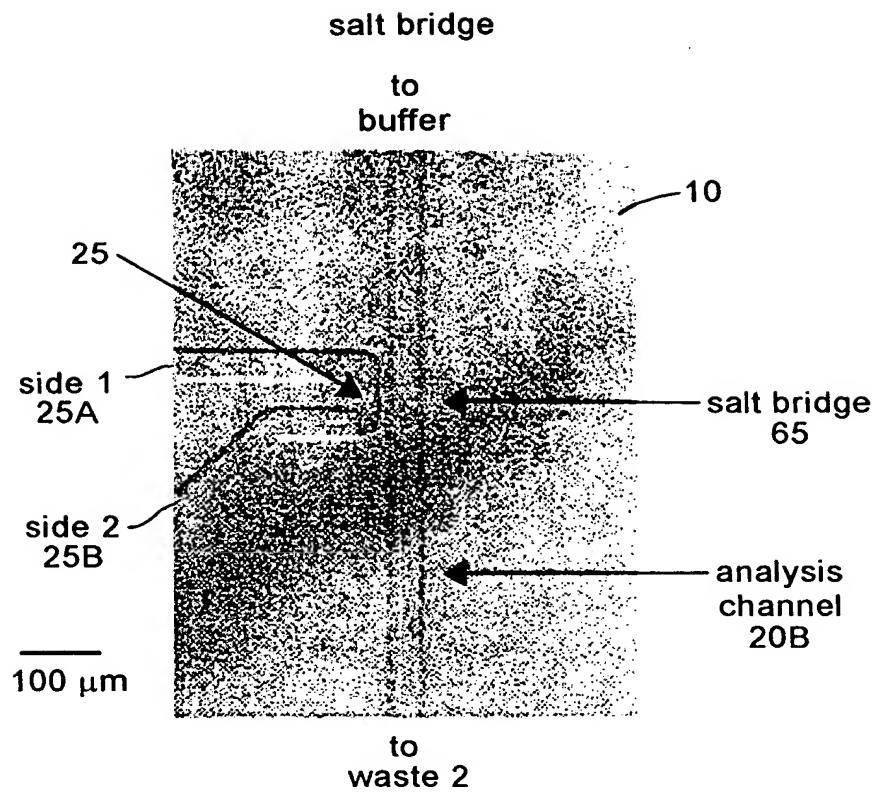


FIG. 3a

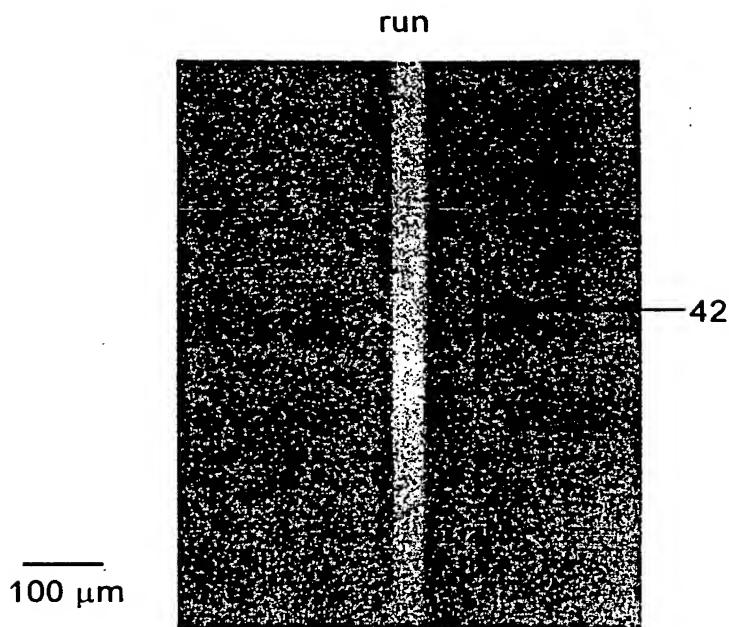


FIG. 3b

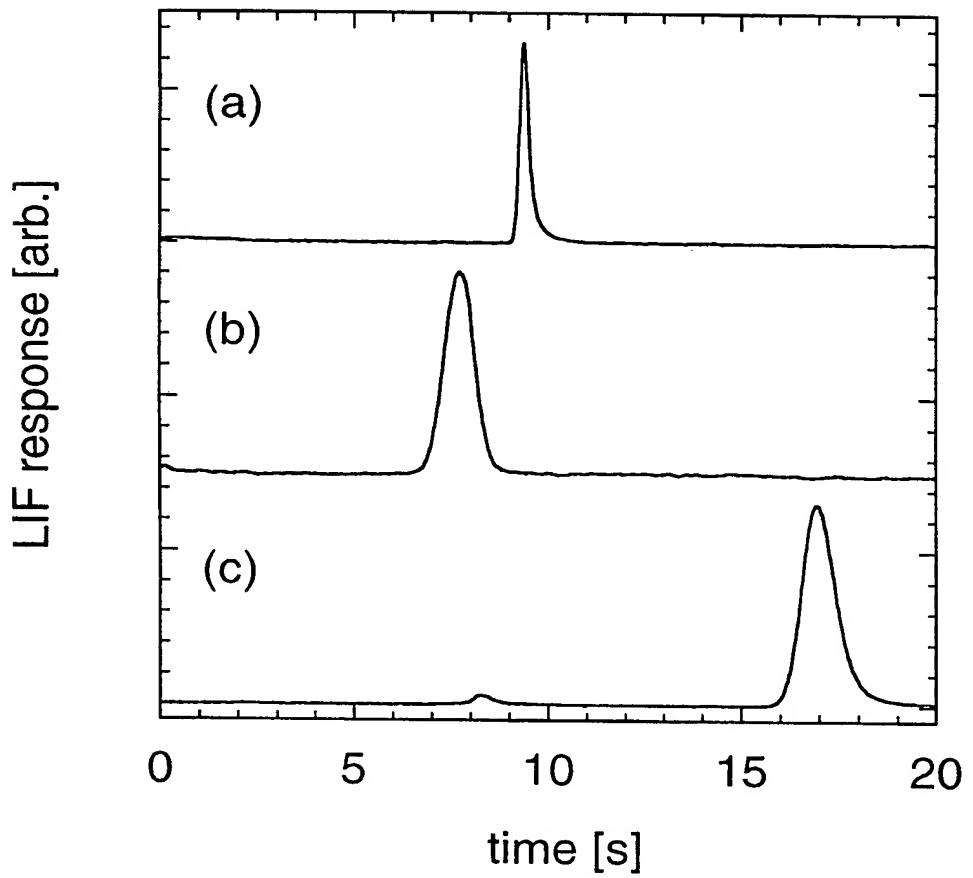


FIG. 4

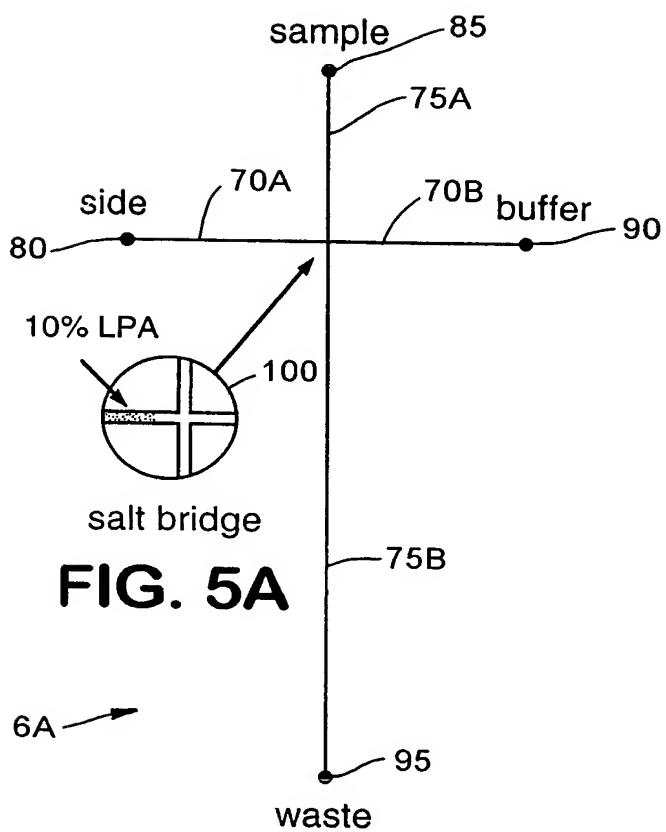
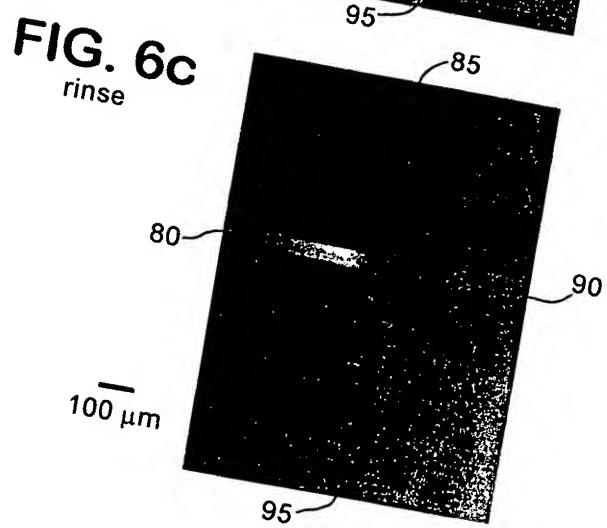
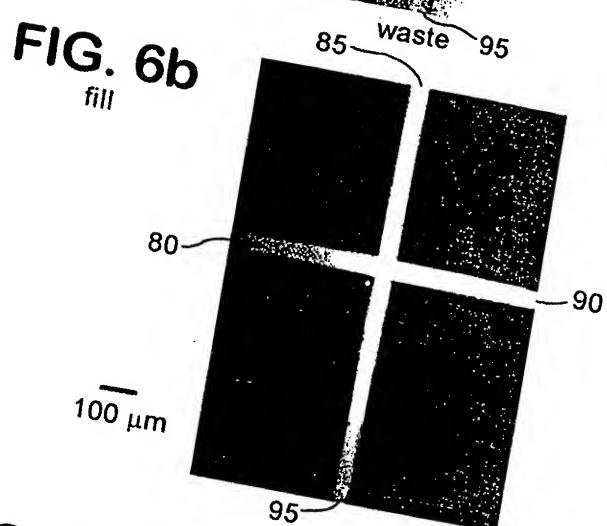
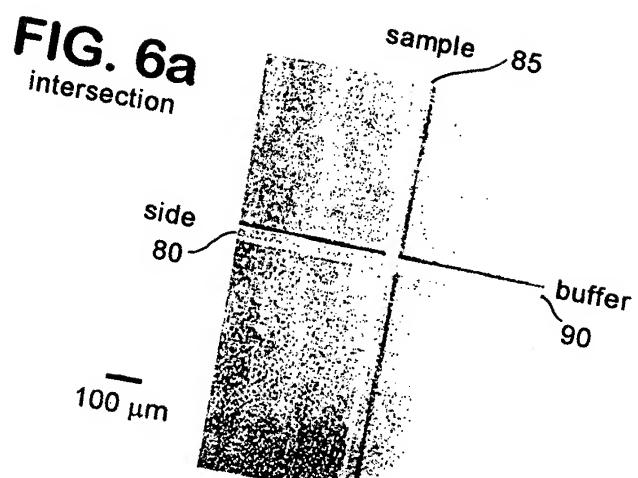


FIG. 5B



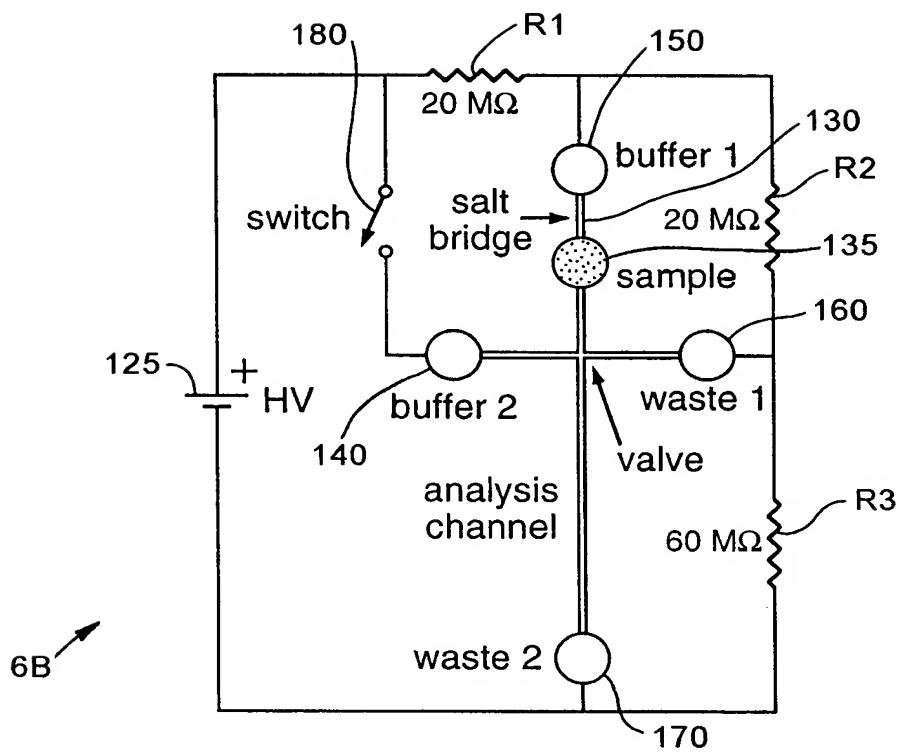


FIG. 7

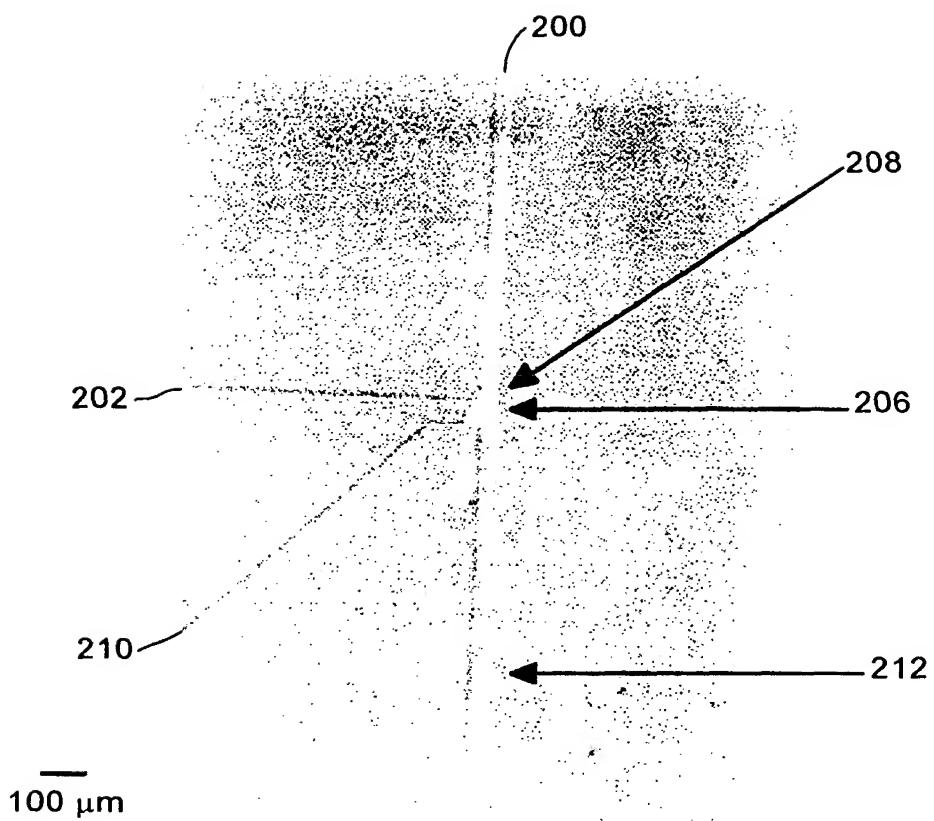


FIG. 8

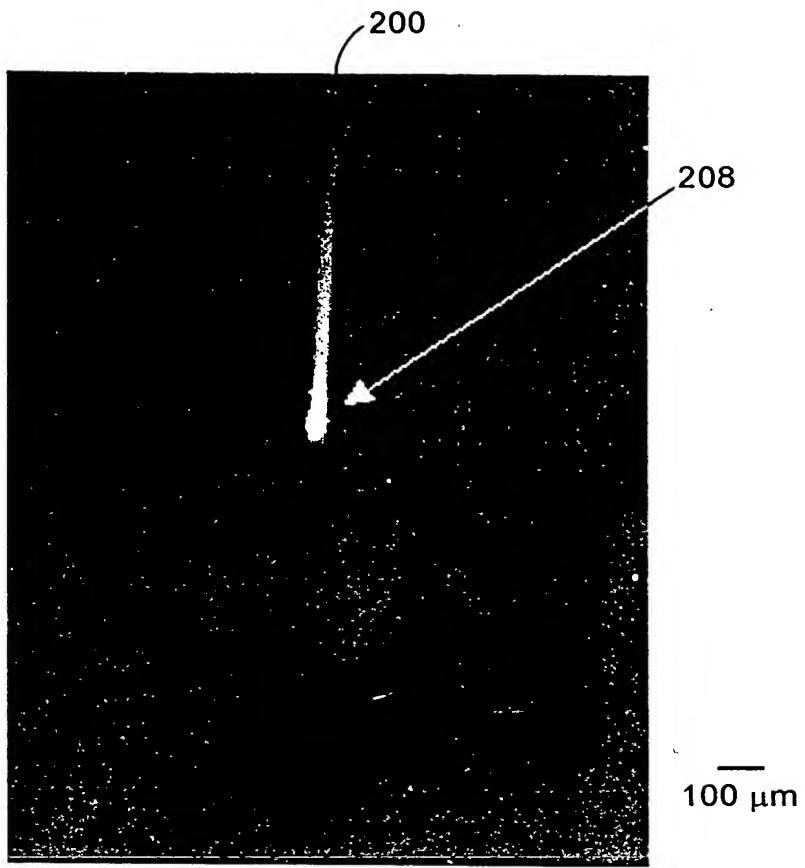


FIG. 9

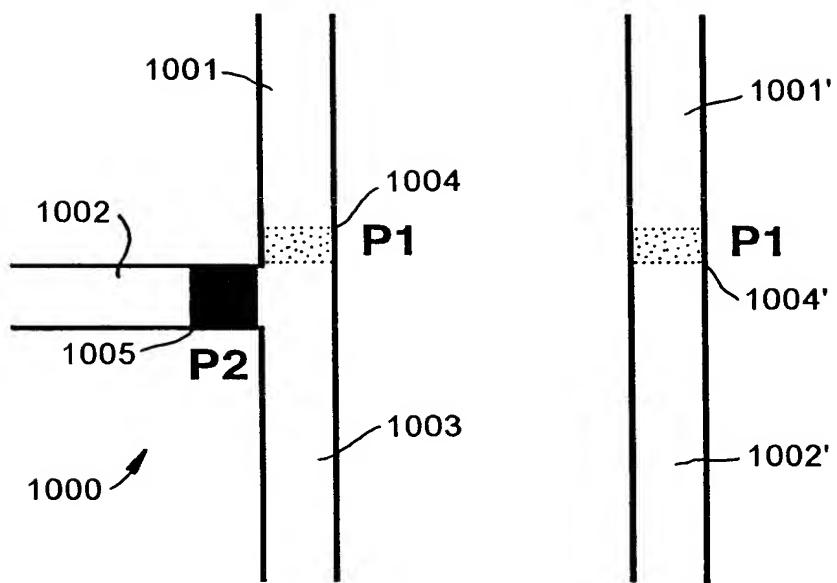
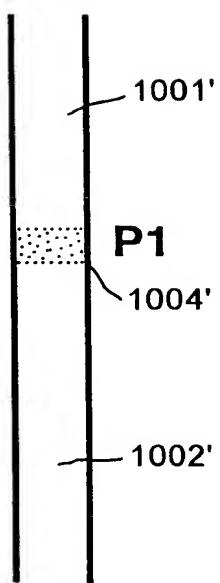


FIG. 10A

FIG. 10B



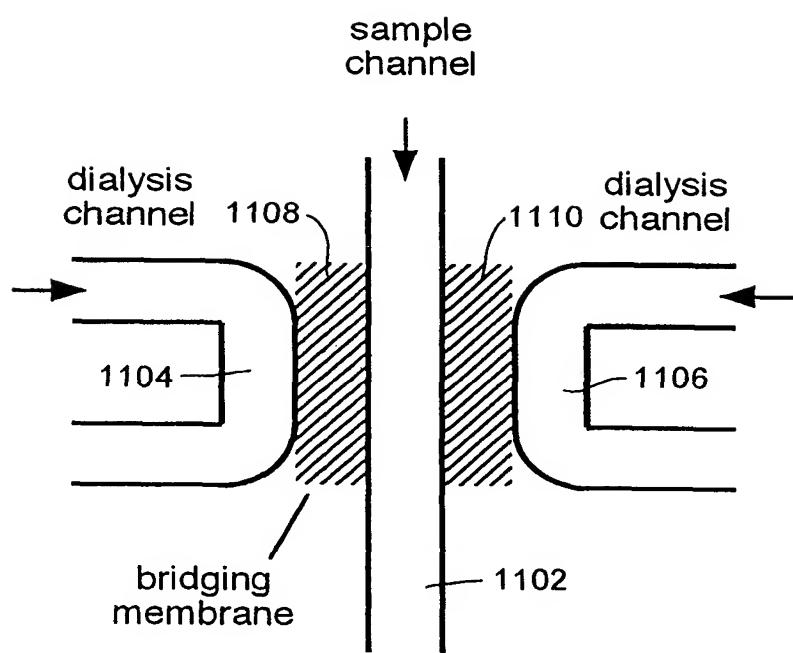


FIG. 11

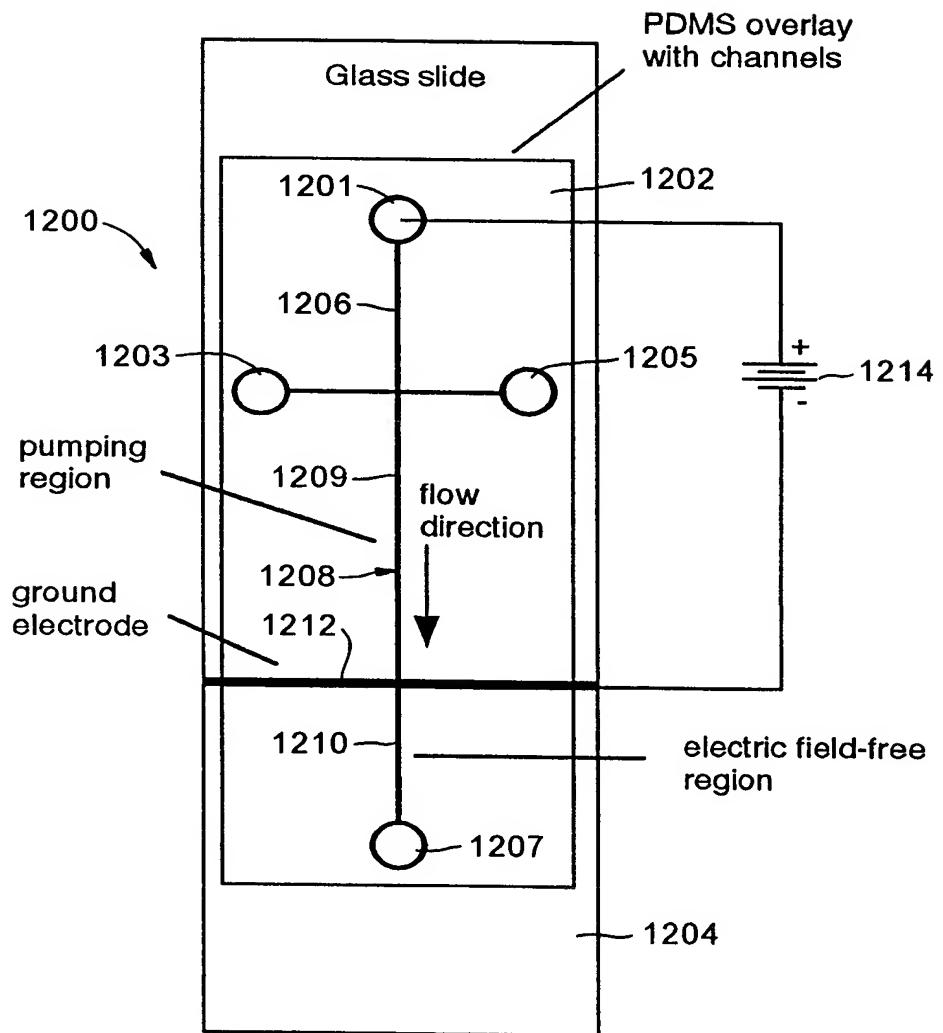


FIG. 12

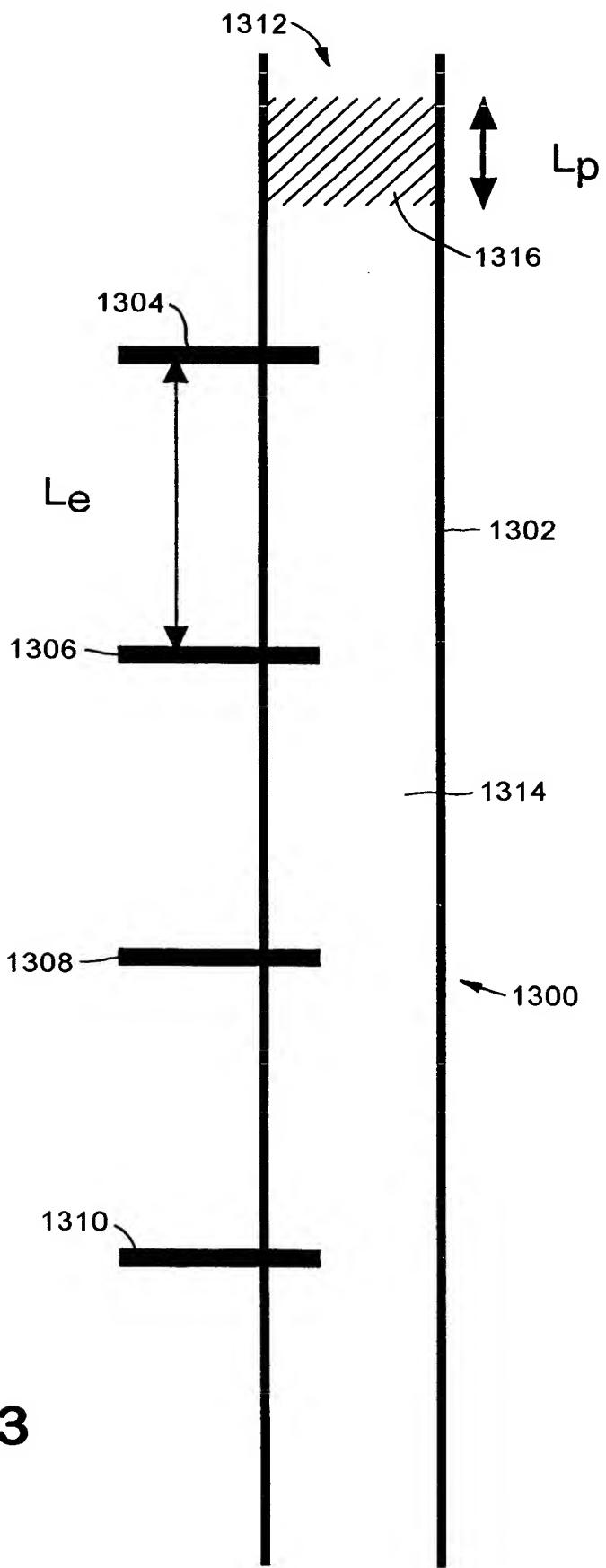
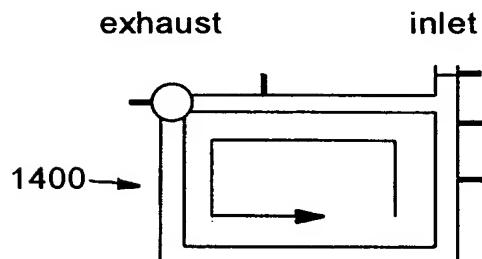


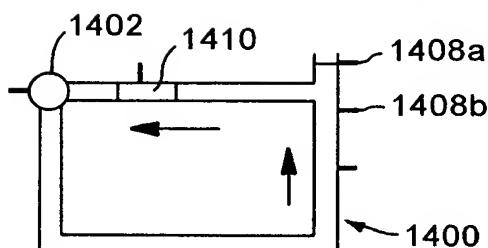
FIG. 13

Two-Stroke Microfluidic Vacuum Pump



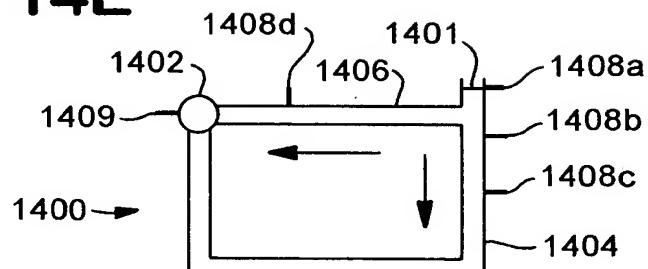
end of exhaust stroke

FIG. 14E



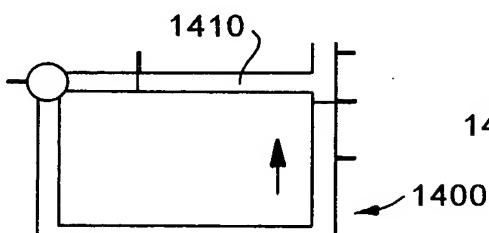
exhaust stroke

FIG. 14D



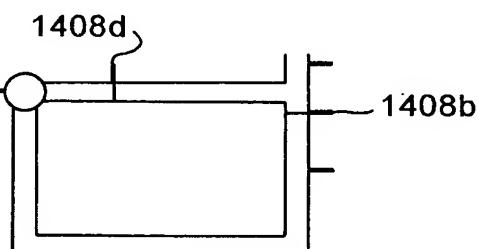
start on intake stroke

FIG. 14A



start of exhaust stroke

FIG. 14C



end of intake stroke

FIG. 14B

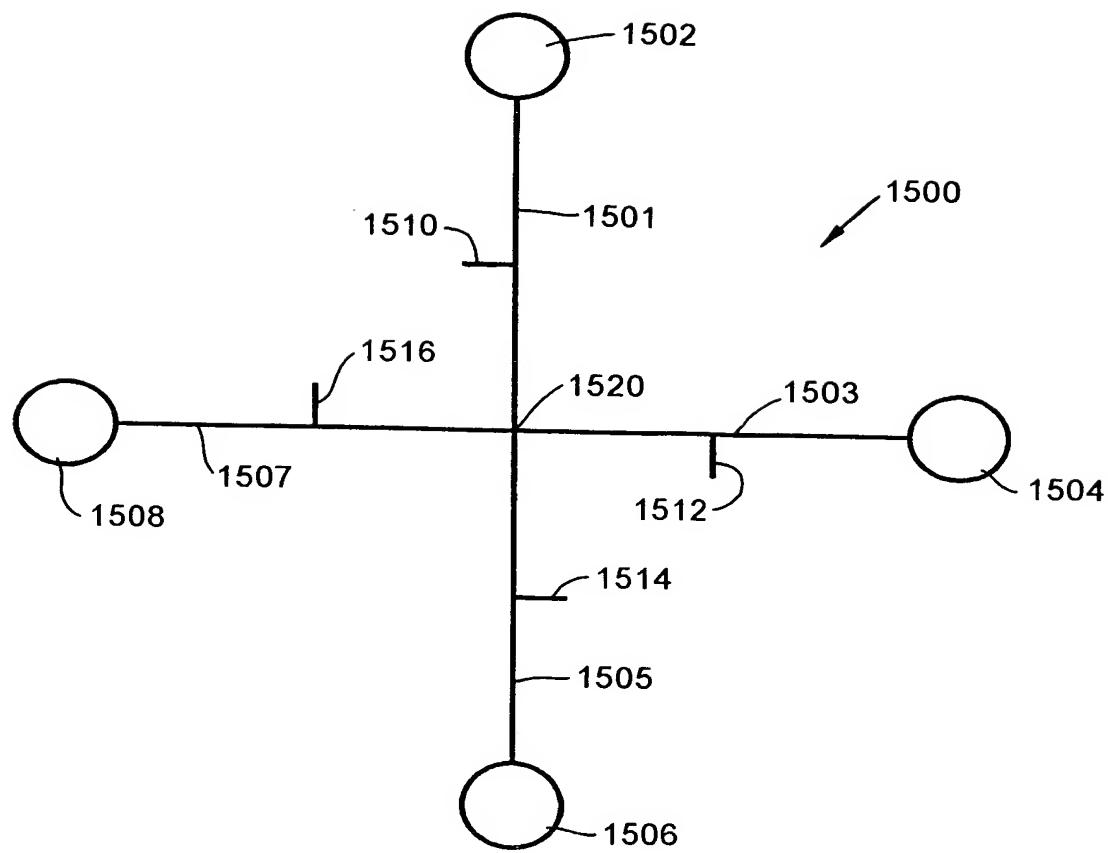


FIG. 15

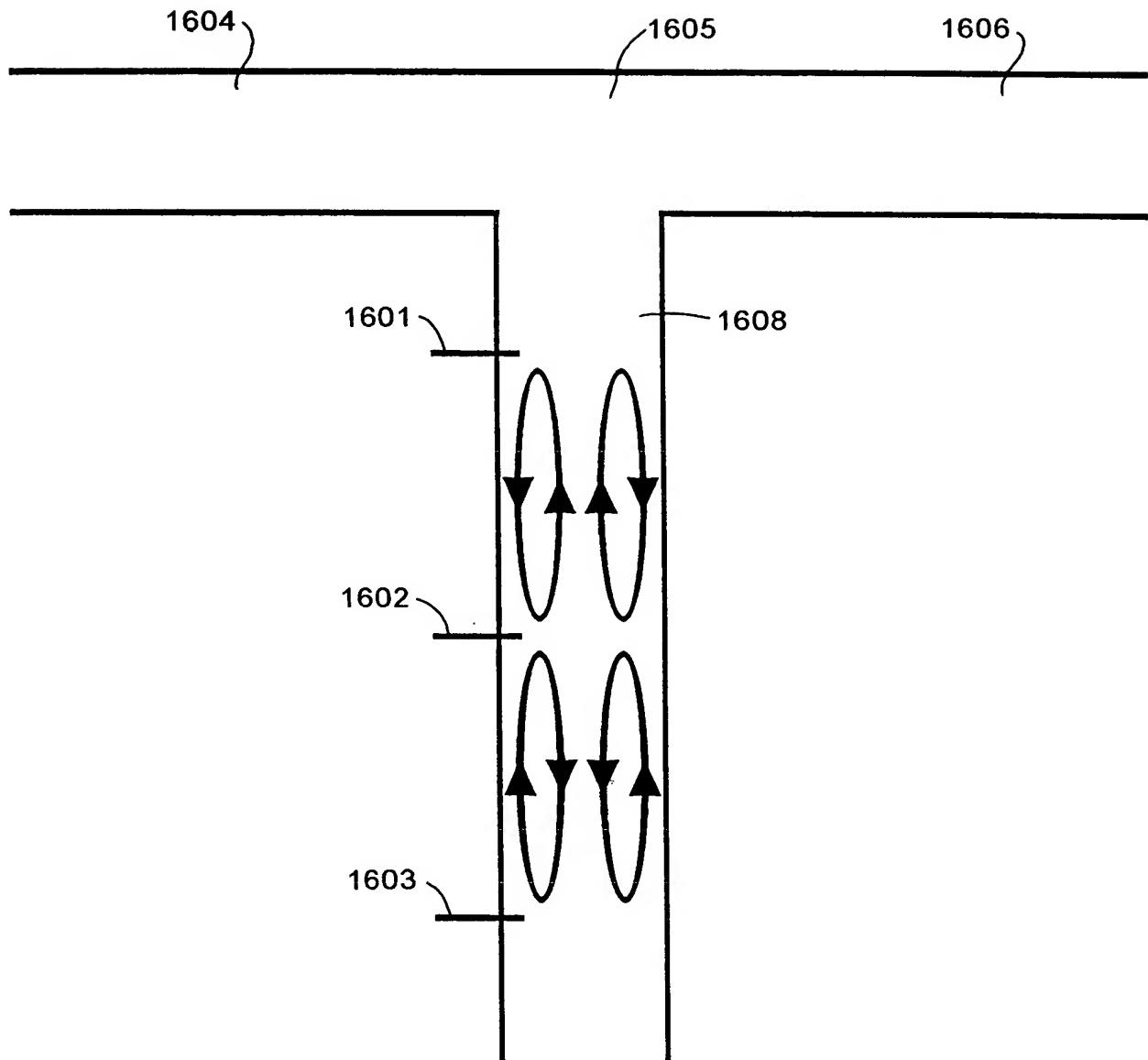


FIG. 16